



Customer No. 22,852  
Attorney Docket No. 01165.0903

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
)  
Masaaki MATSUNAGA *et al.* )  
) Group Art Unit: 2871  
Application No.: 10/632,819 )  
) Examiner: Not Assigned  
Filed: August 4, 2003 )  
)  
For: LIQUID CRYSTAL SHUTTER )  
FOR EXPOSURE DEVICE )

**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

Sir:

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 C.F.R. §§1.56 and 1.97(b), applicants bring to the Examiner's attention the documents listed on attached Form PTO-1449 and cited in the international search report. Except for the cited U.S. patents, copies of the listed documents are attached. Applicants respectfully request that the Examiner consider the documents listed on attached Form PTO-1449 and indicate that they were considered by making an appropriate notation on this form.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

The following are listed on the accompanying PTO-1449 and are in a non-English language:

1. Japanese Patent Application No. 2-71222.
2. Japanese Patent Application No. 2000-122071.

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3. Japanese Patent Application No. 2-169271.
4. Japanese Patent Application No. 11-149083.
5. Japanese Patent Application No. 5-100232.
6. Japanese Patent Application No. 11-133402.
7. Japanese Patent Application No. 2-169270.

In lieu of a statement of relevance or translation of the non-English documents 1-4 above, enclosed is an English-language international search report from the Japanese Patent Office in the PCT international application, from which this national phase U.S. application is derived, citing these documents and setting forth the relevance thereof.

In lieu of a statement of relevance or translation of listed non-English language documents 5-7 above, an English-language abstract of the documents setting forth the relevance is enclosed.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

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If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
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Dated: December 19, 2003

By:   
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Enclosures  
EFC/FPD/sem

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## INFORMATION DISCLOSURE CITATION

Any Docket No.	01165.0903	Application No.	10/632,819
Applicant			
Masaaki MATSUNAGA <i>et al.</i>			
Filing Date	August 4, 2003	Group:	Not Assigned

## U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	5,548,423	8/20/96	Natsunaga			
	5,105,281					

## FOREIGN PATENT DOCUMENTS

Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
2-71222	3/9/90	Japan			Abstract
2000-122071	4/28/00	Japan			Abstract
2-169271	6/29/90	Japan			Abstract
11-149083	6/2/99	Japan			Abstract
5-100232	4/23/93	Japan			Abstract
11-133402	5/21/99	Japan			Abstract
2-169270	6/29/90	Japan			Abstract

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


Examiner	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce